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PATENT

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Attorney's Docket No. 5718-111C (35718/208255)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re: Duvick *et al.*
Appl. No.: 09/882,694
Filed: June 15, 2001
For: COMPOSITIONS AND METHODS FOR FUMONISIN DETOXIFICATION

Confirmation No.: 1574
Group Art Unit: 1638
Examiner: M.A. Ibrahim

November 27, 2002

Commissioner for Patents
Washington, DC 20231

AMENDMENT

Sir:

In response to the Office Action mailed August 27, 2002, please amend the above-identified application as follows:

In The Specification:

Please substitute the sequence listing filed concurrently herewith for the sequence listing filed on October 16, 2001.

Please revise the first full paragraph beginning on line 12, page 3, to read as follows:

B
Enzymes that degrade the fungal toxin fumonisin to the compound AP1 have been identified in U.S. Patent No. 5,716,820, U.S. Patent No. 6,025,188, and U.S. Patent No. 6,229,071, hereby incorporated by reference. Plants expressing a fumonisin esterase enzyme, infected by fumonisin producing fungus, and tested for fumonisin and AP1 were found to have low levels of fumonisin but high levels of AP1. AP1 is less toxic than fumonisin to plants and probably also animals, but contamination with AP1 is still a concern. The best result would be complete detoxification of fumonisin to a non-toxic form. Therefore enzymes capable of degrading AP1 are necessary for the further detoxification of fumonisin.

Please revise the first full paragraph beginning on line 12, page 8, to read as follows:

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